2021.1 **+** 2021.2

Release Webinar 2021.1 + 2021.2 (webpack)

Agenda

1. **censhare 2021.1 + 2021.2**

   - New Features and Functions
   - The First Step into the Micro-service Universe: censhare webpack
   - One Access to Your Digital Ecosystem: censhare CI-HUB Connector

2. **Online Solutions**

   - Content Picker Based on HCMS

3. **Update from Documentation**

   - Info-Hub: New Documentation Portal

4. **ecosphere Solutions**

   - DeepL Connector - Savotex
   - Workfront Connector – MSP

5. **Outlook**

   - Release Overview 2021
   - Upcoming Developments

News in 2021.1 + 2021.2

Ruy Ramos, Product Management

Compatibility Update: InDesign, Big Sur, M1 and Beyond

Big Sur	New M1 chip	Future
Compatible with versions • censhare 2019.2 or newer • Adobe InDesign: CC2021*	Compatible with versions • censhare 2019.2* or newer • Adobe InDesign: CC2021**	In Development • Monterey MacOS* • Adobe CC 2022 • InDesign 16.4
*Adobe officially don't support older versions then Big Sur	*Applying kernel extension workaround **InDesign 16.3 or higher is not supported	*Currently in BETA

Partner Enablement: Test Automation Framework

With automated testing, we could perform the automated tests in four parallel streams that each took 2 hours, i.e., 8 machine-hours. In addition to that, one engineer spent 1 hour for analysing the test results and restarting the tests if necessary.

Another engineer spent 3 hours for additional manual tests that could not be automated. This added up to four hours.

The total saving from automation was 44 hours or 91.6% compared to manual testing.

```
Hello! I am test runner and I will help you run UI tests. Choose one of th
----------------- Main Menu -----------------
1) Run tests                    4) FAQ
2) Selenoid configuration  5) Exit
3) Serve Allure report
Type menu number and press Enter: 4
----------------- FAQ -----------------
1) What is this project about?
2) What tests do you have?
3) Which Technologies and Frameworks do you use?
4) Do you have documentation?
5) Selenoid. What is it and Why?
6) Back
7) Exit
Type menu number and press Enter: 6
----------------- Main Menu -----------------
1) Run tests                    4) FAQ
2) Selenoid configuration  5) Exit
3) Serve Allure report
Type menu number and press Enter: 1
```

An interactive Shell script will guide you through configuring and running the tests.

Partner Enablement: Test Automation Framework

2021.1

Why	How	Business benefits
• Testing is essential for customization & configuration • We at censhare have been relying on automated testing for a long time to deliver the high quality of our product. • With this release, we're making our Automated Test Framework available to our partner community	• 90+ tests covering DAM, PIM and CMS • Tests can act as references when creating new tests • Tests are available for different versions, starting with censhare release 2019.3 • Test templates • Short descriptions for most classes and methods	• Reduce number of errors when deploying new functionality • Speed up testing • Increase efficiency in development pipelines • Better, more reliable and stable deliveries

Further Improvements to Adobe InCopy Integration

DEMO

Further Improvements to Adobe InCopy Integration

| Why	How	Business benefits
• Frequent topic in Feature Request Process & client interactions • Continuous support and enhancements of clients working in a InCopy-workflow	• Approving or rejecting all changes within a selected range within a text block • Improved copy & paste from Google Docs (e.g. preserving hard and soft returns)	• Increase efficiency by reducing the number of clicks significantly • Raised quality of imported content produced outside of censhare (e.g Google Drive) • Enable organisation to use alternatives to Word for content production workflows

2021.1

Sorting Assets in Relation Widgets Using Drag & Drop

Why

- Continuous improvement of usability and user experience
- Requested Feature of many Clients & Partners
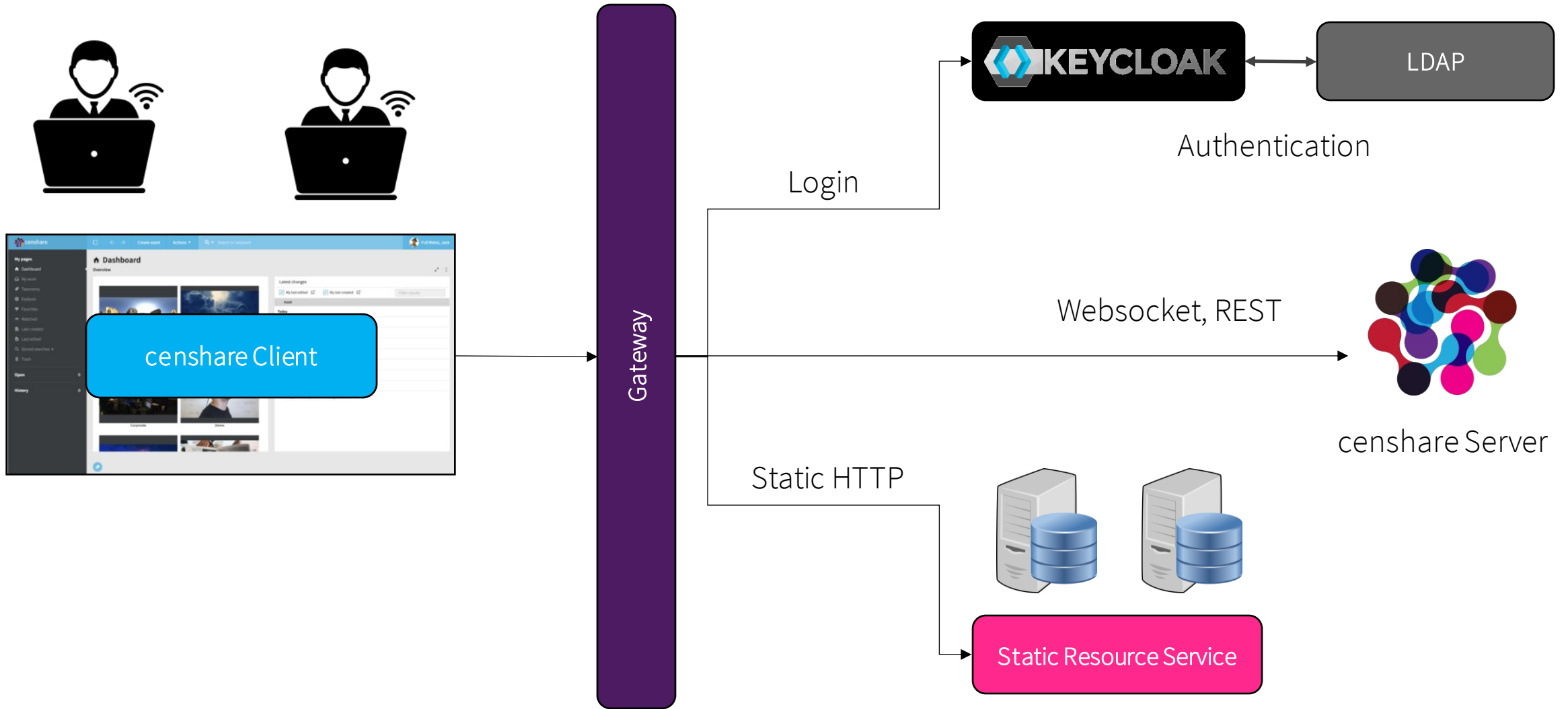- Sorting scenarios have increased in frequency

How

- We've now implemented a Drag & Drop functionality for the relations. Simply click the relation you want to move up (or down) and drag it to the desired spot.
- Configurable in the widget configuration of all widgets of type "Relation List Widget"

DEMO
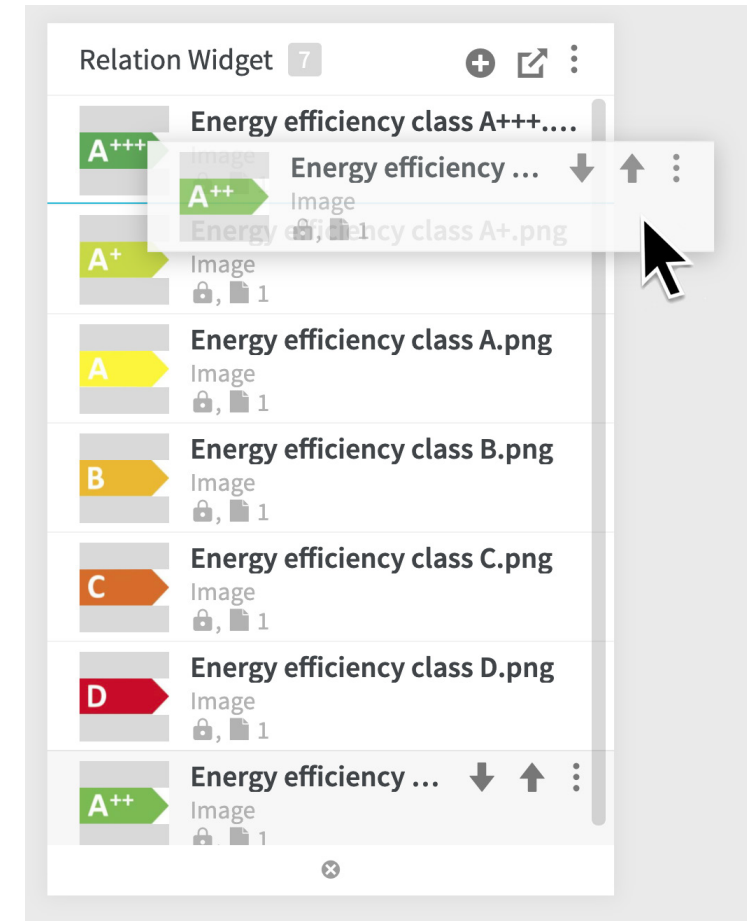
The First Step into the Micro-service Universe - censhare webpack

Guido von Walter, Senior Architect

The First Step into the Micro-service Universe

2021.2

Authentication

Login

Websocket, REST

censhare Client

Gateway

censhare Server

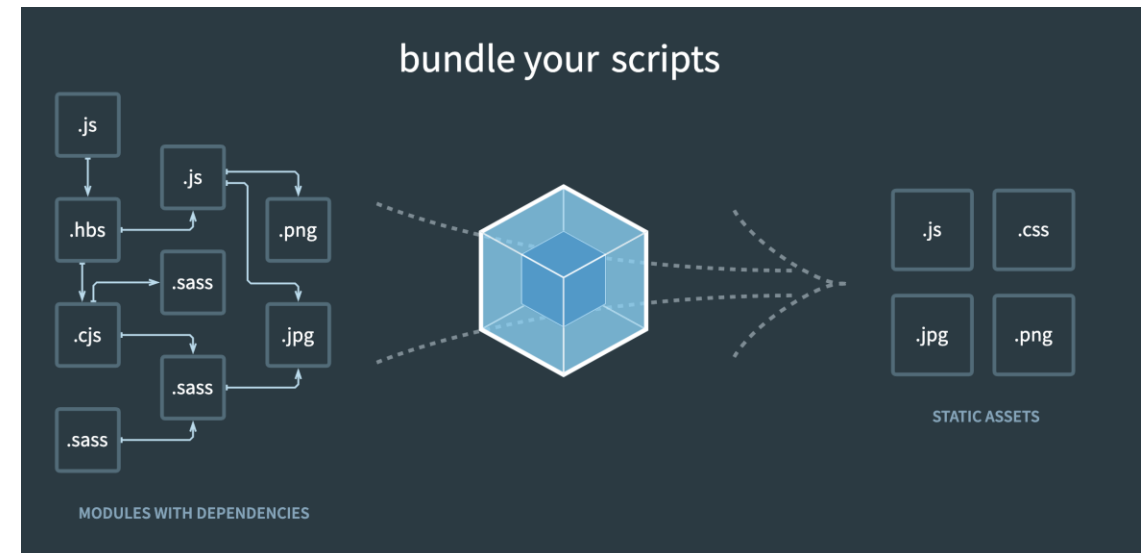Static HTTP

Static Resource Service

11

censhare Packs and Bundles Everything In the Background

webpacked front end code

- Typescript/js, html, css, static images, libraries
- Bundled: one file, localized, tree-shaken, packed (includes customized files)
- Dependency check at build time
- Fast download, cacheable
- Additional build step required (build scripts available)

Static Resource Service

- Separate web server process
- Delivers webpack bundles
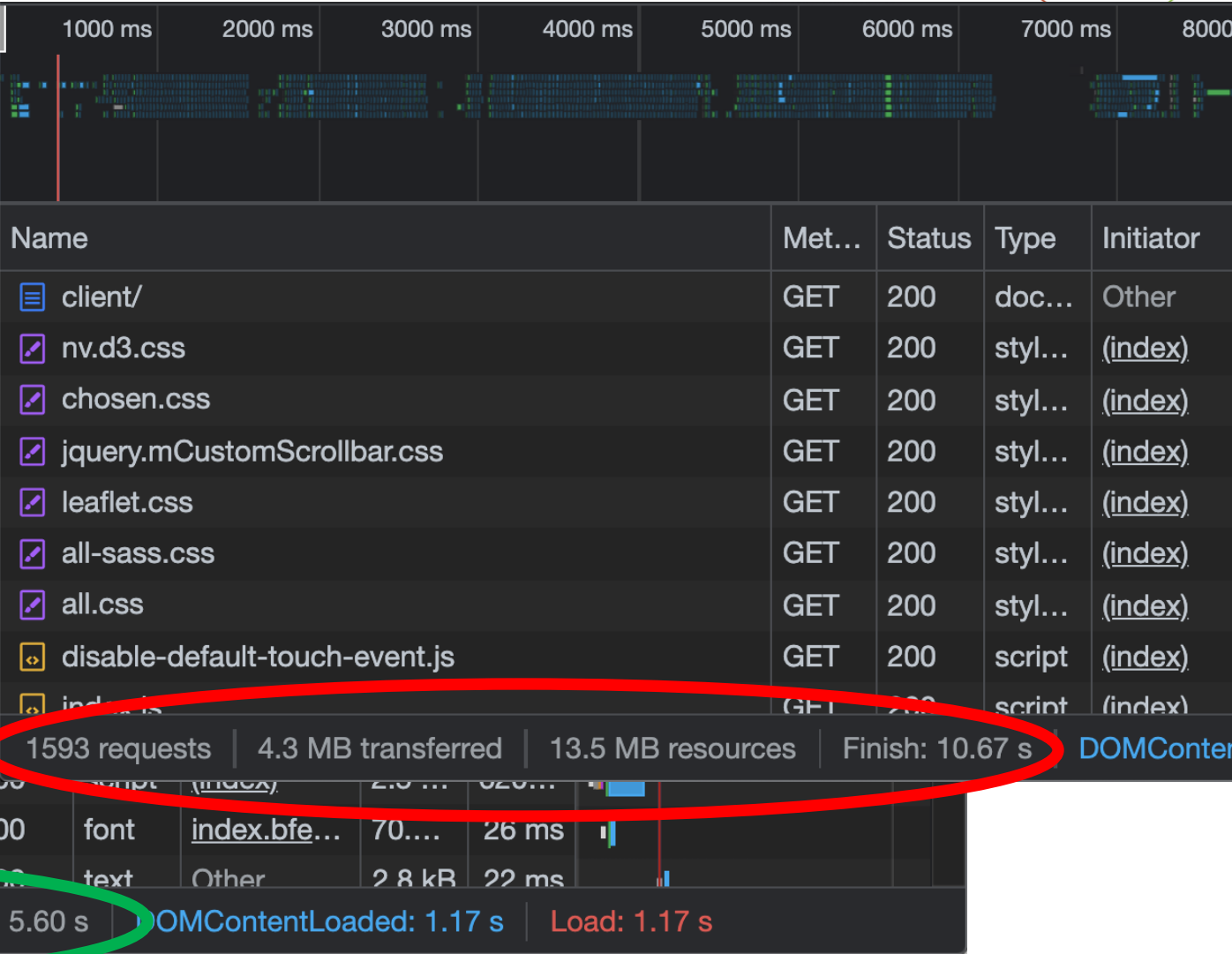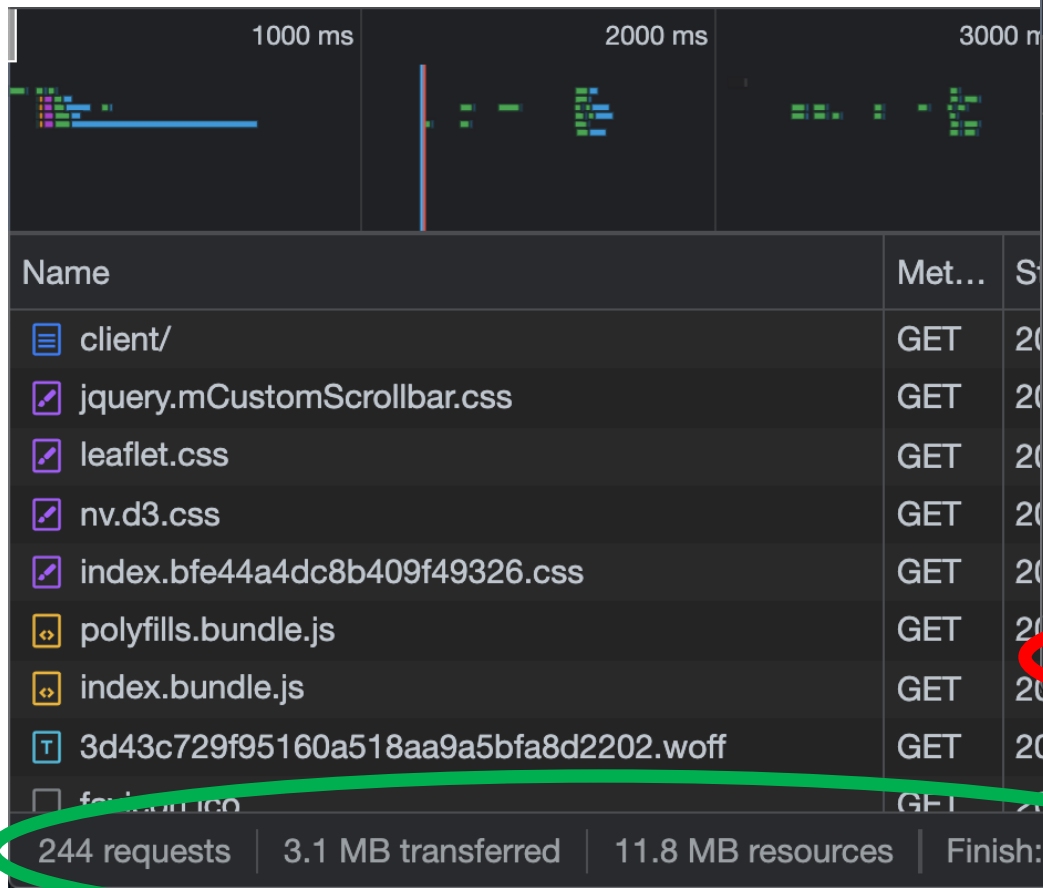- Reduce load on the censhare server

Increased Efficiency

Comparison of load times

1000 ms   2000 ms   3000 m

Name	Met...	S
client/	GET	20
jquery.mCustomScrollbar.css	GET	20
leaflet.css	GET	20
nv.d3.css	GET	20
index.bfe44a4dc8b409f49326.css	GET	20
polyfills.bundle.js	GET	20
index.bundle.js	GET	20
3d43c729f95160a518aa9a5bfa8d2202.woff	GET	200
favicon.ico	GET	200

244 requests | 3.1 MB transferred | 11.8 MB resources | Finish: 5.60 s | DOMContentLoaded: 1.17 s | Load: 1.17 s

1000 ms   2000 ms   3000 ms   4000 ms   5000 ms   6000 ms   7000 ms   8000

Name	Met...	Status	Type	Initiator
client/	GET	200	doc...	Other
nv.d3.css	GET	200	styl...	(index)
chosen.css	GET	200	styl...	(index)
jquery.mCustomScrollbar.css	GET	200	styl...	(index)
leaflet.css	GET	200	styl...	(index)
all-sass.css	GET	200	styl...	(index)
all.css	GET	200	styl...	(index)
disable-default-touch-event.js	GET	200	script	(index)
index.js	GET	200	script	(index)

1593 requests | 4.3 MB transferred | 13.5 MB resources | Finish: 10.67 s | DOMContent

| | | | | index.bfe... | 70... | 26 ms | |
| | | | text | Other | 2.8 kB | 22 ms | |

13

Keycloak – Identity and Access Management

Leveraging an Industry Standard Solution

- Open-source project with active developments
- Has own Admin UI with a scriptable interface
- Offers possibility of Themed login pages

- Stores sensitive data, connected to external IP's
- Compliance with security standards
- LDAP, SAML, OpenID, TFA, Social logins, SSO

KEYCLOAK

Censhare

Configure

- Realm Settings
- Clients
- Client Scopes
- Roles
- Identity Providers
- User Federation
- Authentication

Manage

- Groups
- Users

Users

Lookup

Search... 🔍 | View all u

ID	Username
5975778c-6902-43e7-947...	admin-key
2d8d758a-c7ab-427f-a34...	akc
10ebba47-3c30-4422-9f4...	cihub
5a163dd8-e951-400f-ba7...	div
24381907-c0ba-4578-ae5...	divsd
4e8f44d0-7b37-4f54-aaa...	domain
b141a9bf-863c-48d3-829...	ruy
9483d699-6cd8-41dd-a59...	sat
0ef62d4e-e360-4dd3-b85...	satya
cf725081-1c19-4d92-a8f5...	tom

Keycloak – Identity and Access Management

Keycloak & censhare

- User/group mappings via „sync-ldap"
- Including java client SSO login
- Offers better possibilities for external integrations
- Uses JWT bearer token that is
  also used for Elevated Tech Stack integration
- Existing models still provide authorization and
  governance (roles, domains, etc.)
- Extensive documentation & user migration script
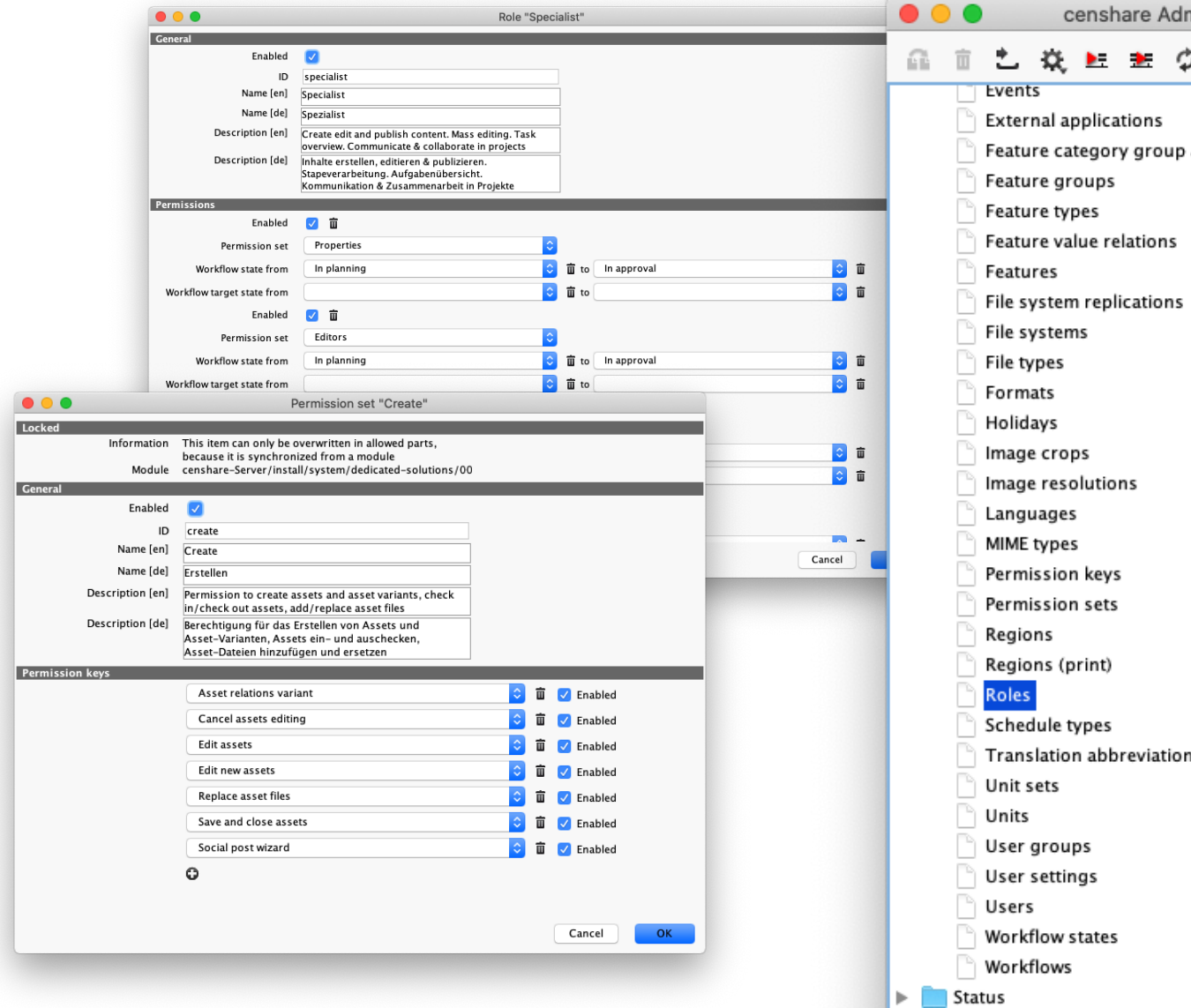
A New Gateway to Manage Request Distributions

API Gateway

- Single entry point - no firewall or external networking changes required
- Manages session handling
- Redirect to authentication service on login/logout
- Pass-through of static HTTP, REST, websocket requests

The First Step into the Micro-service Universe

System requirements (estimation)

- Single server system in SaaS : add 6GB RAM
- 3 server, load balanced in SaaS : add 8GB RAM

Installation method

- RPM with configuration in .yaml files
- Alternative: Kubernetes cluster

Monitoring

- Hooks available for logging, tracing, monitoring

Documentation

- https://ecosphere.censhare.com/infohub/censhare-latest/en/administrator-guide/censhare-wp

Please contact your local account manager for further information and estimations

The First Step into the Micro-service Universe

| Why	How	Business benefits
• Decouple authentication and webserver from censhare server • Improve performance • Future proof	• Introduce a separate service for webpack bundles • Use Keycloak authentication service for identity and access management	• Improved performance • Improved security • Many options for authentication

CI-HUB integration

Ruy Ramos, Product Management

One Access to Your Digital Ecosystem

2021.2
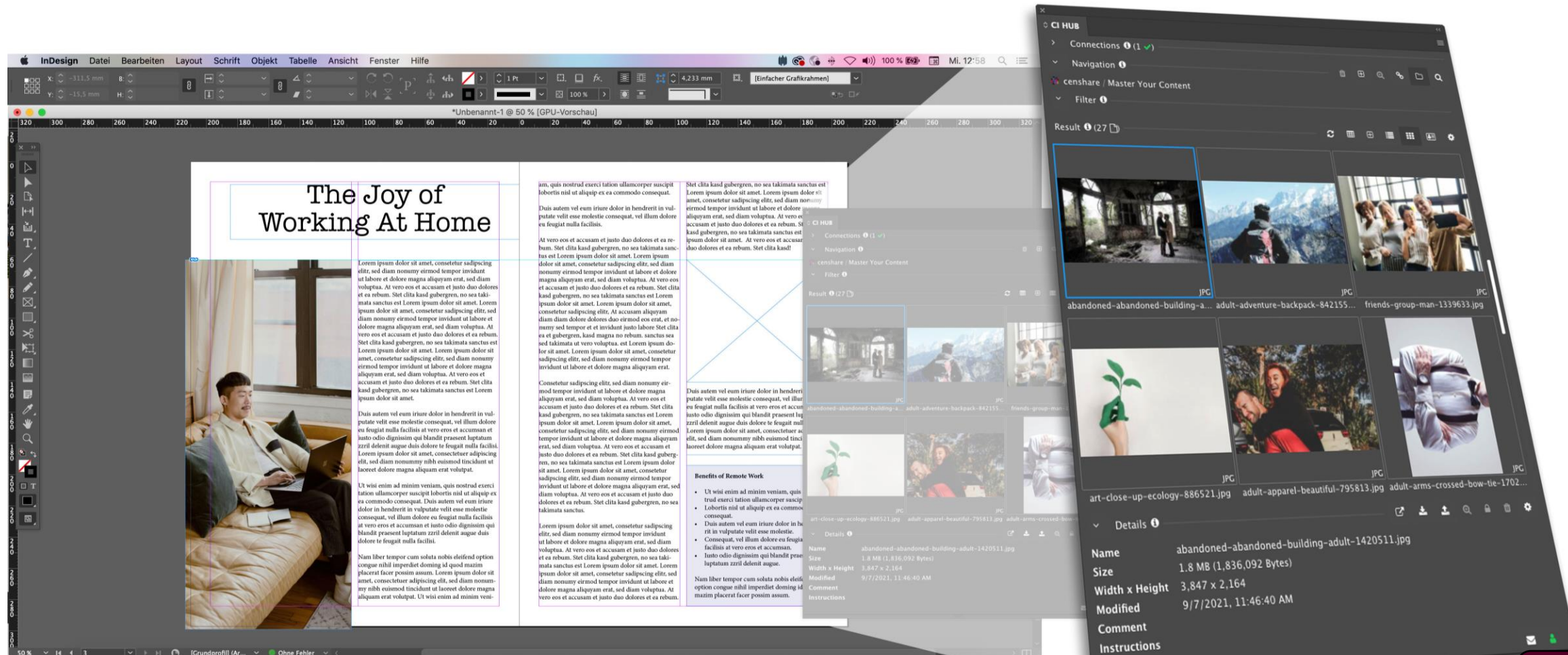
DEMO

CI-HUB: One Access to Your Digital Ecosystem

| Why	How	Business benefits
• Allowing creative people use the creative tool of their choice • Create, Update and Adapt directly via creative tool • Interconnectivity to Microsoft & Adobe tools	• Setup via module in Admin client • CI HUB plugin provided via CI-HUB • Configurable schemas and XSLT searches to define business logic	• Possibility to use censhare assets in creative tools • Possibility to use censhare asset metadata in creative tools without access to censhare • Share content to creative teams

21

Content Picker based on HCMS

Joar Berge, Online Solutions

Release Webinar 2021.1 + 2021.2 (webpack)

Content Picker Based on HCMS

Content Picker Based on HCMS

HCMS

Why	How	Business benefits
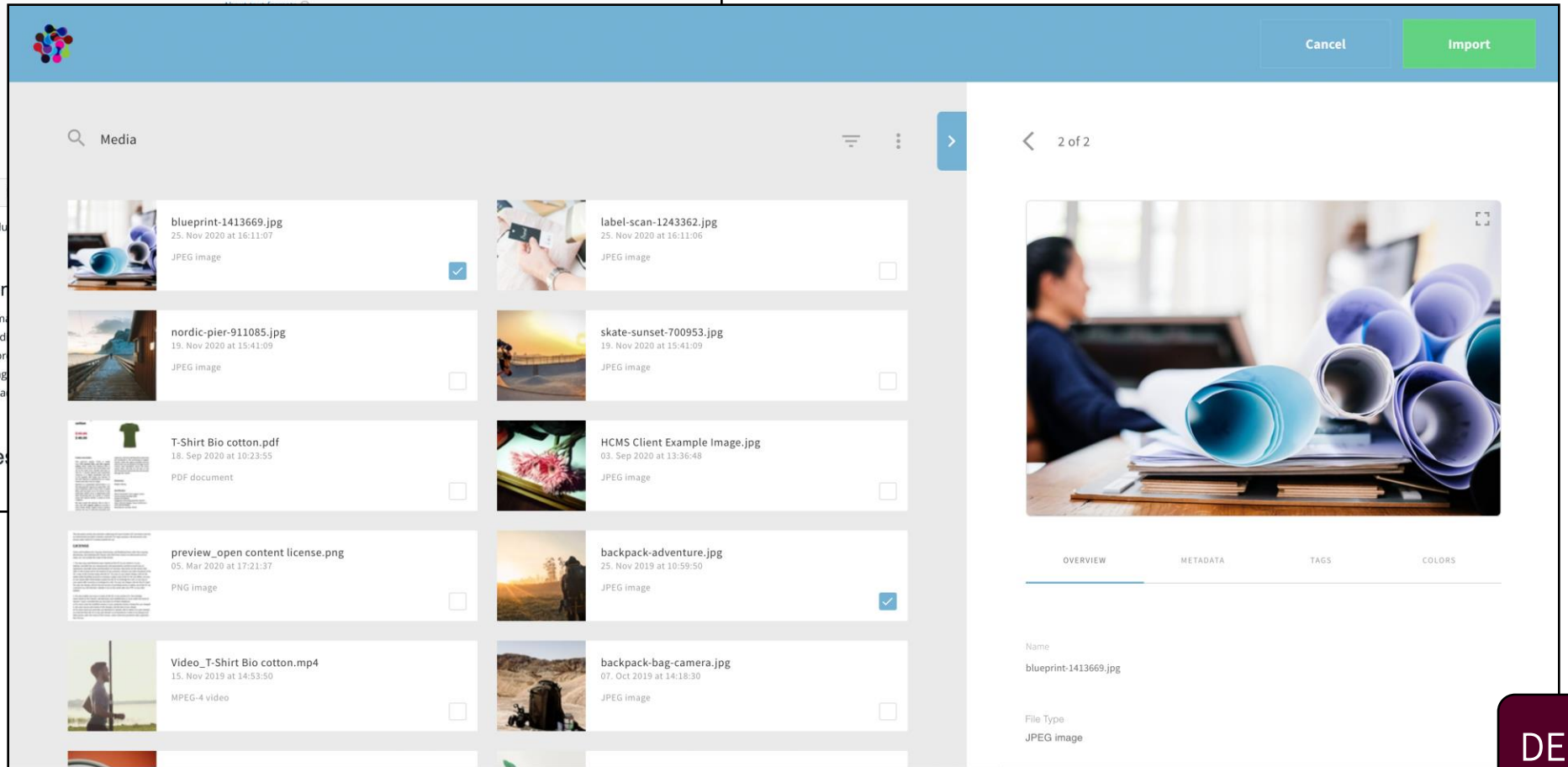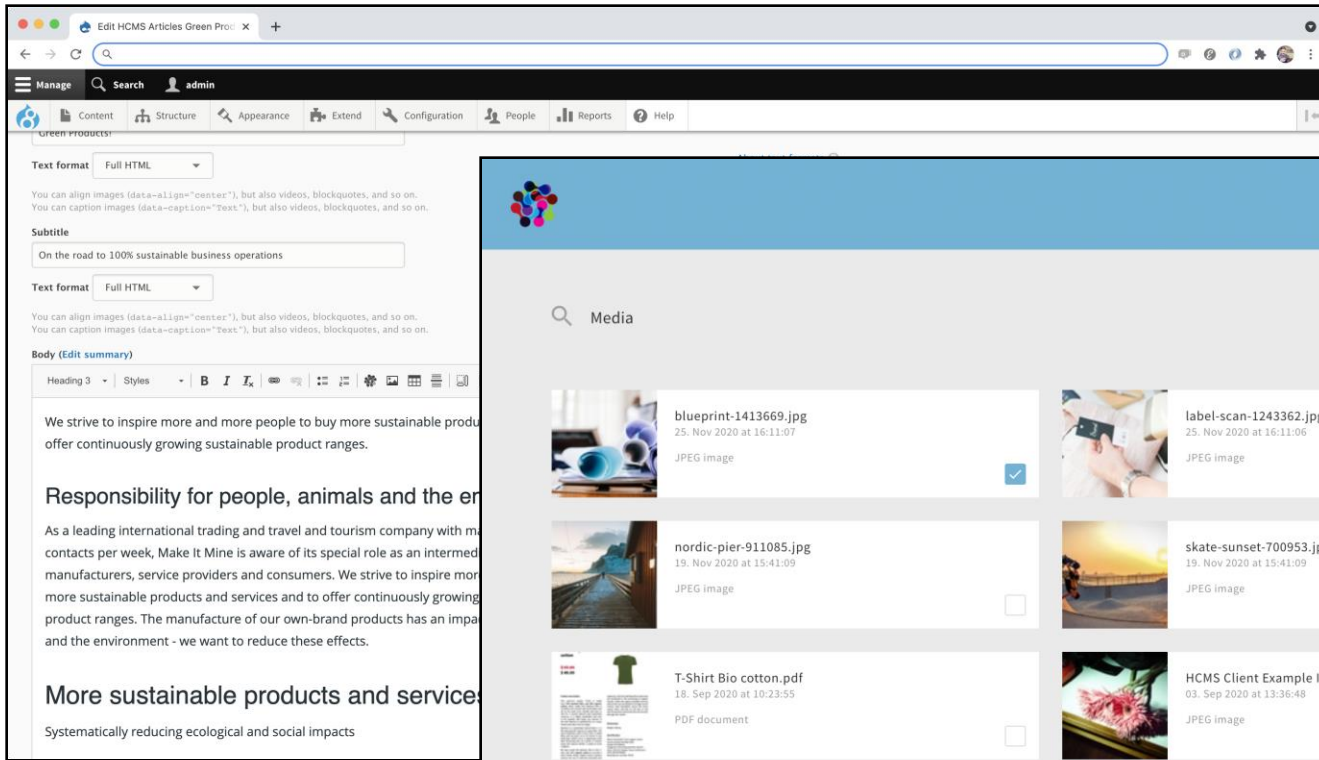
• Support integration in 3rd Party Web Applications
• Allow users of 3rd Party applications to explore media assets in censhare without switching UI
• Starter kit for integration in 3rd party applications and processes
	• Provision of content for external consumption
	• Delivery of content via Headless CMS API (Module or Satellite)
	• JavaScript application on top of the HCMS API
	• 3rd Party
	    • Frontend integration
	    • Processing
		• *Easy integration with out-of-the-box UI and functionality*
		• *Duplicate content can be avoided (single point of truth)*
		• *Preview and meta data can be consumed before processing*
		• *Use cases*
		    • *External Web CMS*
		    • *E-Mail Marketing*
		    • *Social Media Marketing*
		    • *More*

Info Hub: New Documentation Portal

Olga Klenner, Documentation

Info Hub: New Documentation Portal

DOCU

Why

- Responding to our audiences' needs and our own experiences by creating a book-like structure in a logical reading flow.
- Opting for version-based content to keep in sync with frequent releases.

How

- Filter by release year
- Side navigation with page tree
- Download page as PDF
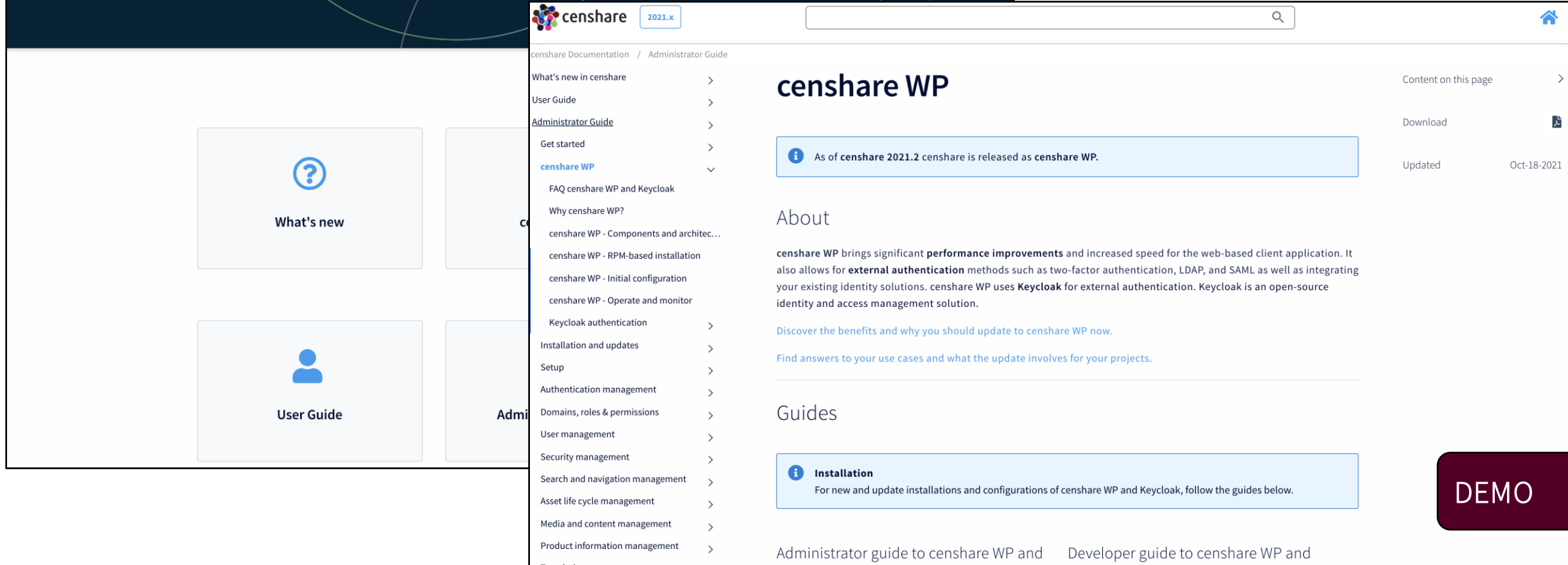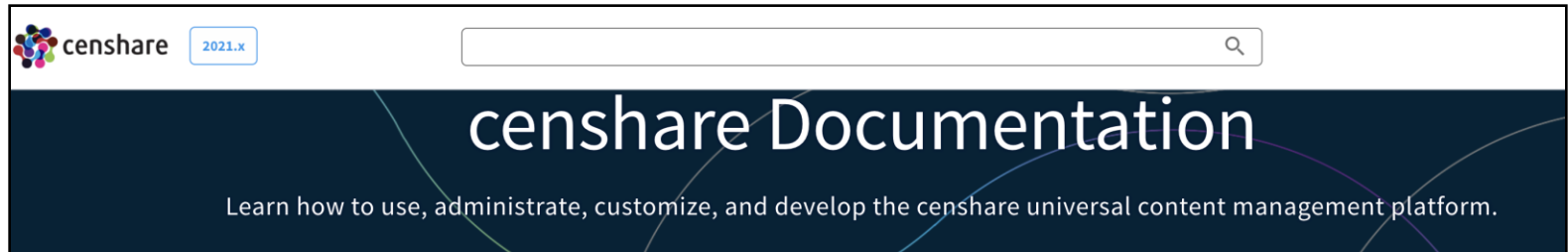- Search across all guides
- Created with Confluence

Business benefits

- Improved content and learning experience
- Greater productivity through improved relevance of content

Info Hub: New Documentation Portal

DOCU

DEMO

ecosphere Solutions

Oliver Müller, Global Partners & Alliances

Auto-translate Your Content in Matter of Seconds

Raphael Laqueur, Savotex GmbH

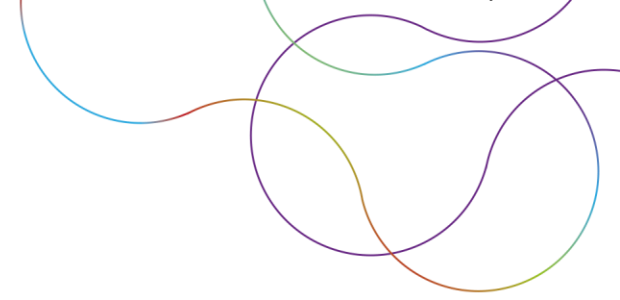Release Webinar 2021.1 + 2021.2 (webpack)

Over to Savotex

DEMO

Workfront connector

Michael Fischer, MSP AG

Over to MSP

DEMO

Outlook

Alexander Röthinger, CTO & CPO

Release Webinar 2021.1 + 2021.2 (webpack)

Release Overview 2021

| 30.07.
2021 | → | August
2021 | → | October
2021 | → | December
2021 (ETA) |

censhare 2021.1

InCopy Editor improvements,
Security and various other
topics as well as the VFS 2.0
for BigSur / M1 compatibility

CW31 2019.2.x and 2019.3.x
CW32 2020.1.x and 2020.2.x
CW33 2020.3.x

VFS 2.0 Downport
for BigSur / M1 compatibility

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censhare 2021.2

CI Hub Integration
webpack deployment
keycloak authentication

HCMS Content Picker

Plugin for 3rd party
applications (1st iteration)

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censhare 2021.3*

Communication in
JavaClient
AWS Media Convert
Angular XLTS
Asset Deletion 3 optimization
Autosave for InCopy Editor
Change detection in asset
structures
Properties Editor: Nested
properties
Workflow Quick Switch
MacOS Monterey

* Features may vary

Upcoming Developments

censhare (Q1/Q2 2022)

- Feature Request Process
- Analytics (Usage Statistics)
- PIM / PIM Syndication (Exports, Standard Formats)

Elevated Tech Stack (mid 2022)

- Hybrid Deployment censhare/ETS
- System-to-System Integration Functionality
- Full interoperability
- xEditor Connector

2021.1 **+** 2021.2